

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
4 January 2001 (04.01.2001)

PCT

(10) International Publication Number
WO 01/00541 A1

- (51) International Patent Classification⁷: C04B 41/50, C01G 23/053 (74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi S.p.A., Corso di Porta Vittoria, 9, I-20122 Milano (IT).
- (21) International Application Number: PCT/EP00/05724 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (22) International Filing Date: 21 June 2000 (21.06.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: MI99A001422 25 June 1999 (25.06.1999) IT (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): ITAL-CEMENTI S.P.A. [IT/IT]; Via Camozzi, 124, I-24121 Bergamo (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): AMADELLI, Rossano [IT/IT]; Via Massarenti, 39 - Fraz. Gualdo, I-44019 Voghiera (IT). CASSAR, Luigi [IT/IT]; Via Europa, 42, I-20122 S. Donato Milanese (IT). PEPE, Carmine [IT/IT]; Via Casnidelli, 12, I-24010 Ponteranica (IT).

Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF PHOTOCATALYTIC PREPARATIONS OF COLLOIDAL TITANIUM DIOXIDE FOR PRESERVING THE ORIGINAL APPEARANCE OF CEMENTITIOUS, STONE, OR MARBLE PRODUCTS

(57) Abstract: Use of photocatalytic preparations of colloidal titanium dioxide optionally doped with a metal chosen from groups I-VA, and the lanthanide and actinide series of the periodic table, for preserving the original appearance of cementitious, stone, and marble products.

BEST AVAILABLE COPY



WO 01/00541 A1